| Index of CI | aims                   | App  | licatio | on No.       |   | Applicant(s)  |   |  |  |  |  |  |
|-------------|------------------------|------|---------|--------------|---|---------------|---|--|--|--|--|--|
|             | 11812 18811 ABIT 1881  | 10/6 | 522,17  | 70           |   | ZANDEN ET AL. |   |  |  |  |  |  |
|             |                        | Exa  | miner   |              |   | Art Unit      | _ |  |  |  |  |  |
|             |                        | Bryo | on P.   | Gehman       |   | 3728          |   |  |  |  |  |  |
|             |                        |      |         |              |   |               |   |  |  |  |  |  |
| √ Rejected  | (Through num Cancelled |      | N       | Non-Elected  | А | Appeal        |   |  |  |  |  |  |
| = Allowed   | ÷ Restricted           |      |         | Interference | 0 | Objected      |   |  |  |  |  |  |

| Cla         | aim      | Date      |          |           |        | CI           | Claim Date |          |  |  |               |          |          |          | 1              | Claim Date |          |          |          |              |  |     |          |          |                |          |           |          |          |          |          |          |          |
|-------------|----------|-----------|----------|-----------|--------|--------------|------------|----------|--|--|---------------|----------|----------|----------|----------------|------------|----------|----------|----------|--------------|--|-----|----------|----------|----------------|----------|-----------|----------|----------|----------|----------|----------|----------|
| <b>⊢</b> —" |          |           |          |           | - 010  |              | -          | Uale III |  |  |               |          |          |          |                |            | 2011     | Date     |          |              |  |     |          |          |                | $\dashv$ |           |          |          |          |          |          |          |
| Final       | Original | 11/22/04  |          |           |        |              |            |          |  |  |               | Final    | Original |          |                |            |          |          |          |              |  |     | Final    | Original |                |          |           |          |          |          |          |          |          |
|             | 1        | V         | *        | ⇈         | $\top$ | $\dagger$    | T          |          | <u> </u>   | ┢  | $\vdash$      |          | 51       | $\vdash$ | $\neg$         | $\dashv$   | $\dashv$ | +        |          | +            | +  | 1   | $\vdash$ | 101      | -+             | +        | +         | +        | $\dashv$ | -+       | +        | +        | ᅱ        |
| _           | 2        | Ť         | ┪        | t         | +      | $\dagger$    | $\dashv$   | _        | _  | ┢  | Н             | -        | 52       | Н        | _              | $\dashv$   | +        | +        | +        | +            | -  | 1   | $\vdash$ | 102      | $\dashv$       | $\dashv$ | $\dashv$  | $\dashv$ | +        | $\dashv$ | +        | +        | $\dashv$ |
| _           | 3        | Н         |          | +         | +-     | $\top$       | 7          | _        | $\vdash$   | $\vdash$   | Н             |          | 53       | H        |                | $\dashv$   | 十        | $\dashv$ | +-       | +            | $\vdash$   | 1   | $\vdash$ | 103      | -              | -        | 十         | +        | +        |          | +        | ╅        | $\dashv$ |
|             | 4        | Н         |          | ╁         | ┪      | $^{+}$       | 寸          | _        | 1  | <del>                                     </del> | Н             |          | 54       | $\vdash$ | $\neg$         | -          | _        | +        |          | +            | $\vdash$   | 1   |          | 104      |                | +        | 十         | +        | +        | $\dashv$ | $\dashv$ | +        | $\dashv$ |
| <b></b>     | 5        |           | 1        | ✝         | ╅      | $\dagger$    | ┪          |          | <u> </u>   | $\vdash$   | Н             |          | 55       |          | $\dashv$       | $\dashv$   | +        | $\dashv$ | +        | +            | $\vdash$   | 1   |          | 105      | +              | $\dashv$ | +         | +        | +        | +        | +        | +        | ┨        |
|             | 6        | Т         | ╫╴       | t         | 十      | $^{+}$       | $\dashv$   | _        |  |  | Н             | -        | 56       | Н        | _              | -          | ┰        | _        |          | +            | ╁  | 1   |          | 106      | -              | ┰        | 十         | +        | +        | $\dashv$ | +        | +        | ⊣        |
|             | 7        |           | $\vdash$ | t         | ╁      | +            | $\dashv$   |          |  |  | Н             | -        | 57       | H        | $\dashv$       | +          | 十        |          |          | +            | ┢  | 1   | -        | 107      | $\dashv$       |          | -         | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | $\dashv$ |
|             | 8        | П         | 4-       | $\dagger$ | +      | $^{+}$       | ᅥ          |          |  |  | Н             |          | 58       | H        | $\dashv$       | $\dashv$   | $\dashv$ |          |          | +            | _  | 1   |          | 108      |                | +        | $\dashv$  | +        | +        | $\dashv$ | +        | +        | ᅱ.       |
|             | 9        | 7         | †        | T         | 1      | 7            | $\dashv$   |          |  | 1  |               |          | 59       |          | 寸              | 十          | 十        | _        |          | +-           | _  | 1   |          | 109      | -              | +        | +         | $\dashv$ | +        | +        | +        | ┪        | $\dashv$ |
|             | 10       | 1         | †-       | T         | +      | Ť            | ┪          |          |  | <del>                                     </del> | $\neg$        | <u> </u> | 60       |          | $\dashv$       | _          | +        | +        | +        | +            | $\vdash$   | 1   |          | 110      | -              | +        | -+        | +        | -        | $\dashv$ | +        | +        | $\dashv$ |
|             | 11       | H         | 1        | 1         | $\top$ | +            | ヿ          |          |  | ╁  |               | -        | 61       | Н        | 十              | $\dashv$   | -+       | +        | <u> </u> | +-           | ├─   | 1   | -        | 111      | -              | +        | _         | _        | +        | $\dashv$ | $\dashv$ | +        | ┥.       |
| <b></b>     | 12       | H         | T        | $\dagger$ | $\top$ | $\top$       | 7          |          | <b></b>  | $\vdash$   | Н             |          | 62       |          | $\dashv$       | $\dashv$   | $\dashv$ | $\dashv$ | $\top$   | 1            | <del>                                     </del> | 1   | $\vdash$ | 112      | -              | +        | +         | $\dashv$ | +        | $\dashv$ | +        |          | $\dashv$ |
|             | 13       | 1         | T        | t         | $\top$ | $\top$       | $\dashv$   | _        | <del>                                     </del> | _  | $\dashv$      |          | 63       | $\vdash$ | $\dashv$       | $\dashv$   | $\dashv$ | $\top$   | +        | +-           | <del>                                     </del> | 1   | $\vdash$ | 113      | $\dashv$       | 十        | +         | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | $\dashv$ |
|             | 14       | 1         | $\top$   | T         | $\top$ | $\top$       | $\dashv$   |          | _  | Т  | $\Box$        |          | 64       | $\vdash$ | _              | $\dashv$   | $\dashv$ | $\top$   | $\top$   | +            |  | 1   |          | 114      | _              | $\dashv$ | +         | +        | +        | +        | +        | +        | $\dashv$ |
|             | 15       | T         | 1        | 1         | ╅      | +            | $\dashv$   |          | Т  |  |               |          | 65       | $\Box$   | 十              | +          | 寸        | $\dashv$ | $\top$   | $\top$       | <b>├</b> ┈                                       | 1   |          | 115      | $\dashv$       | $\dashv$ | -         | +        | +        | $\top$   | $\top$   | +        | $\dashv$ |
|             | 16       | IT        | T        | T         | $\top$ | $\top$       | 寸          | $\neg$   | _  | $\vdash$   | $\vdash$      |          | 66       | $\vdash$ | $\dashv$       | 十          | $\dashv$ | +        | $\top$   | <del> </del> | t  | 1   |          | 116      | +              | $\dashv$ | +         | +        | +        | $\dashv$ | $\dashv$ | +        | $\dashv$ |
|             | 17       | 1         | 1        | t         | †      | 1            | T          |          | ┢  | $\vdash$   | Н             |          | 67       | $\vdash$ | _              | $\dashv$   | $\dashv$ | $\dashv$ |          | +            | <u> </u>   | 1   |          | 117      |                | +        | +         | +        | +        | +        | +        | +        | ᅱ        |
|             | 18       | It        | $\top$   | Τ         | +      | +            | 寸          |          |  | $\vdash$   | $\overline{}$ |          | 68       | $\vdash$ | -              | 十          | 十        | +        |          | +            | ┢  | 1   | $\vdash$ | 118      |                | -        |           | +        | $\dashv$ | +        | +        | +        | $\dashv$ |
|             | 19       | $\dagger$ | †        | t         | +      | 十            | 寸          | $\neg$   | $\vdash$   |  | $\dashv$      | <b>-</b> | 69       | H        | -              | 十          | 十        | +        | +        | $\dagger$    | <del> </del>                                     | 1.  | -        | 119      | _              | +        | +         | 十        | ┰        | +        | ╅        | +        | $\dashv$ |
| _           | 20       | H         | ✝        | +         | ╅      | $^{\dagger}$ | 寸          |          |  |  | $\dashv$      |          | 70       | Н        | ┪              | $\dashv$   | -+       | +        | +        | +            | <del> </del>                                     | t   | $\vdash$ | 120      | _              | -        | +         | +        | -        | +        | +        | -        | $\dashv$ |
|             | 21       | Ħ         | T        | ✝         | +      | +            | 7          |          |  |  | Ħ             |          | 71       | Н        | $\dashv$       | -+         | +        | +        | $\dashv$ | +            | 一  | 1   |          | 121      | -              | ╅        | ╅         | ╅        | ╅        | +        | +        | +        | $\neg$   |
|             | 22       | $\dagger$ | $\top$   | ✝         | ╅      | +            | _          | $\neg$   |  |  | $\Box$        |          | 72       | $\vdash$ | $\dashv$       | $\dashv$   | -        | +        | $\top$   | +            | H  | 0   |          | 122      |                | +        | +         | $\dashv$ | +        | +        | ╅        | +        | -        |
|             | 23       | H         | 1.       | ╁         | +-     | +            | _          | $\dashv$ |  |  | $\dashv$      | <u> </u> | 73       | $\dashv$ | $\dashv$       | $\dashv$   | +        | +        | $\dashv$ | +            | $\vdash$   | 100 |          | 123      |                | +        | +         | +        | +        | +        | ╅        | +        | $\dashv$ |
|             |          | タ         | 1        | t         | +      | +            | $\dashv$   | _        |  | $\vdash$   | $\vdash$      |          | 74       | $\vdash$ | $\dashv$       | +          | $\dashv$ | $\dashv$ | +        | +            | 一  | t   | $\vdash$ | 124      | _              | +        | +         | $\dashv$ | +        | +        | +        | +        | $\dashv$ |
|             | 25       | Ì         | ∤        | t         | +      | $^{+}$       | +          | $\neg$   |  |  | H             |          | 75       | $\dashv$ | -              | _          | +        | +        | +-       | +            | $\vdash$   | ł   | $\vdash$ | 125      | $\dashv$       | +        | +         | ┰        | +        | +        | +-       | -        | $\dashv$ |
|             | 26       | •         | t        | t         | +      | $^{\dagger}$ | 1          |          | $\vdash$   | $\vdash$   | $\vdash$      |          | 76       | -        | 十              |            | +        | +        |          | +            | <del>                                     </del> | 1   |          | 126      |                | +        | +         |          | +        | +        | +        | +        | $\dashv$ |
|             | 27       | Н         | $\vdash$ | ✝         | ╅      | +            | -          |          |  |  | $\Box$        | <b></b>  | 77       | $\dashv$ | $\dashv$       | $\dashv$   | ╅        | +        | +-       | +-           | $\vdash$   | 1   |          | 127      | $\dashv$       | $\dashv$ | +         | +        | +        | +        | +        | +        | $\dashv$ |
|             | 28       |           | t        | t         | +      | +            | _          | $\neg$   | _  |  | _             | -        | 78       | $\dashv$ | 寸              | $\dashv$   | +        | +        | +        | †            | $\vdash$   | 1   |          | 128      | _              | +        | +         | +        | +        | +        | +        | +        | $\dashv$ |
|             | 29       | _         | +-       | ╈         | $\top$ | - -          | 7          | $\neg$   |  |  | $\neg$        | <b></b>  | 79       | $\dashv$ | $\dashv$       | $\dashv$   | +        | _        | $\top$   | +            |  | 1   | -        | 129      | $\dashv$       | 十        | +         | $\dashv$ | +        | +        | +        | +        | $\dashv$ |
| <b></b>     | 30       | -         | ╁        | ╁         | +      | +            | +          | $\neg$   | _  | -  |               |          | 80       | H        | +              | $\dashv$   | +        | +        | +        | +            |  | 1   |          | 130      | -              | +        | +         | +        | +        | ╅        | +        | +        | $\dashv$ |
|             | 31       | _         | $\vdash$ | ╁         | +      | +            | 7          | $\neg$   | _  | -  | _             |          | 81       | $\dashv$ | $\dashv$       |            | $\dashv$ | +        | +        | +            | $\vdash$   | ł   |          | 131      |                | +        | +         | +        | +        | ╁        | +        | +        | $\dashv$ |
| $\vdash$    | 32       |           | 1        | t         | +      | $\dagger$    | $\dashv$   | $\neg$   | _  |  | _             |          | 82       |          | $\dashv$       | _          | $\dashv$ | +        | +        | $\vdash$     | $\vdash$   | 1   |          | 132      | 1              | $\dashv$ | ╅         | +        | +        | +        | +        | +        | $\dashv$ |
|             | 33       | Т         | $\vdash$ | T         | $\top$ | $\dagger$    | $\dashv$   |          | $\vdash$   | П  | -             |          | 83       | $\vdash$ | $\dashv$       | $\dashv$   | $\dashv$ | +        | +        | T            | $\vdash$   | 1   |          | 133      |                | $\dashv$ | +         | $\dashv$ | +        | +        | $\dashv$ | +        | $\dashv$ |
|             | 34       | _         | T        | T         | $\top$ | $\dagger$    | $\dashv$   | $\neg$   | т  |  | $\neg$        |          | 84       | $\vdash$ |                | $\dashv$   | ╅        | $\dashv$ | +        | +            | t  | 1   |          | 134      | _              | $\dashv$ | +         | +        | +        | ┪        | +        | +        | $\dashv$ |
|             | 35       | $\vdash$  | T        | Τ         | +      | $\top$       | 7          |          |  |  | $\dashv$      |          | 85       | H        | _              | 1          | $\top$   | $\top$   | $\top$   | 1-           | -  | 1   |          | 135      | 十              | $\dashv$ | +         |          | +        | $\dashv$ | $\dashv$ | +-       | $\dashv$ |
|             | 36       |           | T        | T         | $\top$ | $\dagger$    | 7          |          |  | $\vdash$   |               |          | 86       | H        | 寸              | $^{+}$     | $\dashv$ | $\dashv$ | $\dashv$ | 1            |  | 1   |          | 136      | $\dashv$       | $\dashv$ | $^{+}$    | $\dashv$ | +        | +        | $\dashv$ | +        | ᅱ        |
|             | 37       |           | T        | T         | $\top$ | $\top$       | $\dashv$   | _        | -  |  | -             |          | 87       | $\vdash$ |                | $\dashv$   | $\dashv$ | 十        | $\top$   | $\top$       |  | 1   |          | 137      | $\dashv$       | $\dashv$ | +         | $\dashv$ | +        | +        | +        | _        | $\dashv$ |
|             | 38       |           | T        | T         | 1      | $\top$       | T          | _        | Т  |  | $\dashv$      |          | 88       | $\vdash$ | $\neg$         | 十          | $\top$   | $\dashv$ | $\top$   | $\dagger$    | -  | 1   |          | 138      | $\dashv$       | $\dashv$ | $\dagger$ | +        | +        | $\dashv$ | +        | +        | $\dashv$ |
|             | 39       |           | T        | T         | $\top$ | Ť            | 7          | $\neg$   | _  | $\Box$   | $\dashv$      |          | 89       | $\vdash$ | 7              | 寸          | 十        | $\dashv$ | +        | 1            |  | 1   | $\vdash$ | 139      | $\dashv$       | $\top$   | +         | +        | +        | +        | +        | $\dashv$ | $\dashv$ |
|             | 40       |           |          | T         | $\top$ | $\top$       | $\exists$  |          |  |  | $\neg$        |          | 90       | $\neg$   | _              | 十          | _        | $\dashv$ | $\top$   | 1            |  | 1   | $\vdash$ | 140      | $\dashv$       | 十        | +         | $\top$   | +        | +        | +        | $\dashv$ | $\dashv$ |
|             | 41       |           | T        | T         | 1      | +            | 7          |          | Т  |  | $\dashv$      |          | 91       | $\Box$   | $\dashv$       | 7          | $\top$   | $\dashv$ | +        | 1            | -  | 1   |          | 141      | $\dashv$       | $\dashv$ | +         | +        | +        | +        | $\dashv$ | +        | $\dashv$ |
|             | 42       |           | 1        | Τ         | $\top$ | T            | 7          |          |  |  | $\Box$        |          | 92       | $\dashv$ | 寸              | $\dashv$   | $\top$   | $\dashv$ | $\top$   | T            |  | 1   | $\vdash$ | 142      |                | $\top$   | $\top$    | $\top$   | +        | $\dashv$ | +        | _        | $\dashv$ |
|             | 43       |           | 1        | T         | $\top$ | $\dashv$     | T          | _        |  |  |               |          | 93       | $\Box$   | 7              | _          | $\dashv$ | $\dashv$ | +        | 1            |  | 1   |          | 143      |                | $\top$   | +         | +        | +        | $\dashv$ | +        | +        | $\dashv$ |
| <b></b>     | 44       |           | T        | T         | 1      | +            | 寸          | $\neg$   | Т  |  | $\Box$        |          | 94       |          | $\neg \dagger$ | 寸          | $\top$   | $\dashv$ | +        | †            | <b></b>  | 1   | $\Box$   | 144      | $\neg \dagger$ | $\dashv$ | $\dagger$ | +        | +        | $\dashv$ | $\dashv$ | +        | $\dashv$ |
|             | 45       | _         | T        | Τ         | +      | $\top$       | 7          | $\dashv$ | П  |  | $\dashv$      |          | 95       | $\dashv$ | $\dashv$       | 十          | +        | +        | +        | $\top$       | $\vdash$   | 1   | $\vdash$ | 145      | $\dashv$       | +        | +         | +        | 十        | $\dashv$ | +        | +-       | $\dashv$ |
|             | 46       | _         | 1        | t         | $\top$ | $^{\dagger}$ | 7          | $\neg$   | П  | П  | $\dashv$      |          | 96       | $\dashv$ | $\dashv$       | $\dashv$   | +        | $\dashv$ | +        | $\vdash$     | $\vdash$   | 1   | $\vdash$ | 146      | $\dashv$       | 十        | +         | +        | 十        | +        | +        | +        | $\dashv$ |
|             | 47       |           | 1        | T         | $\top$ | $\top$       | 7          | $\neg$   |  | П  | $\Box$        |          | 97       | $\Box$   | 1              | 7          | $\top$   | _        | +        | T            | 1  | 1   | $\vdash$ | 147      | $\dashv$       | +        | +         | +        | +        | +        | +        | $\dashv$ | ┪        |
|             | 48       |           | 1-       | T         | $\top$ | +            | $\dashv$   |          |  | $\vdash$   | $\dashv$      |          | 98       | $\vdash$ | $\dashv$       | $\dashv$   | $\dashv$ | +        | +        | †            | $\vdash$   | 1   | $\vdash$ | 148      | $\dashv$       | +        | +         | +        | +        | +        |          | +        | $\dashv$ |
| $\vdash$    | 49       |           | Τ        | T         | $\top$ | $\dagger$    | $\dashv$   | $\dashv$ |  |  | $\dashv$      |          | 99       | H        | $\dashv$       | $\dashv$   | +        | $\dashv$ | $\top$   | $\top$       |  | 1   | $\vdash$ | 149      | $\dashv$       | +        | +         | +        | +        | +        |          | -        | $\dashv$ |
|             | 50       |           | 1        | T         | T      | ┪            | $\dashv$   | $\dashv$ |  | П  | $\dashv$      |          | 100      | $\vdash$ | $\dashv$       | $\dashv$   | $\top$   | $\top$   | T        | T            | T  | 1   |          | 150      | $\dashv$       | +        | +         | $\dashv$ | 十        | $\dashv$ | +        | +        | $\dashv$ |
|             |          | _         | Ь_       | 1         |        |              |            |          |  |  |               |          |          |          |                |            |          |          |          |              |  | ı   |          | . 50     |                |          |           |          |          |          |          | ш.       |          |